IN THE CLAIMS

The following listing of claims replaces all previous claim listings and version:

1. (Currently Amended)   A distributed computing platform constructed to facilitate a dynamic availability of an eCommerce services to a user over the Internet, comprising:

A) an eCommerce service provider;

B) a web server in communication with the user, and the web server providing information to a browser of the user which information is configured to allow notification of the eCommerce services provided to be made available via the Internet to the user; and

whereby a Lookup Server configured to dynamically the notification to the user of the availability of the eCommerce new services made available by of an the eCommerce service provider are instantly accessible, wherein dynamically notify means that the availability of the service is notified to the user before a command requesting information is received from the user.

2. (Currently Amended)   The distributed computing platform of claim 1, wherein said eCommerce services is are comprised of at least one of:

a) remote event notification;

b) service registration; and

c) dynamic downloading of software from anywhere at anytime.

3. (Currently Amended) The distributed computing platform of claim 1, wherein said eCommerce service[[s]] includes use of a variety of payment models, further facilitating transactions and dynamic pricing.

4. (Currently Amended) The distributed computing platform of claim 1, wherein user access to the eCommerce services registered with said~~the~~ web server is controlled by exchange of a client applet between the user and said web server.

5. (Currently Amended) The distributed computing platform of claim 4, wherein~~where~~ user information received from the user is compared by said~~the~~ web server with corresponding user information stored in a lightweight directory access protocol (LDAP) database.

6. (Original) The distributed computing platform of claim 1, wherein said web server provides for the sale of commercial software products.

7. (Currently Amended) The distributed computer platform of claim 1, wherein~~where~~ said platform is Jini^{TM} based.

8. (Currently Amended) A system for providing remote access to services available on a network, the system comprising:

a network server;

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at least one client browser in communication with the network server; and

a database in communication with the network server and including user, group and services information,

wherein client information is stored in the database, the availability of services are ~~made~~ dynamically notified ~~available~~ to said~~a~~ client browser by a Lookup Server through data provided by said ~~the~~ network server to said client browser based on said client~~'s~~ browser's stored user information and the user, group and services information accessed in the database, and computationally intensive jobs are distributed as directed for execution by the LoadBalancer/ComputeServer(s), and

wherein dynamically notified means that the availability of the service is notified to the client browser before a command requesting information is received from the client browser.

9. (Currently Amended) The system of claim 8, wherein said server further comprises means for providing a client applet to facilitate dynamic availability updating and access of client information.

10. (Cancel)

11. (Original) The system of claim 8, wherein said database is a lightweight directory access protocol (LDAP) database.

12. (Currently Amended) A method of ~~for~~ providing dynamic

availability of eCommerce services via a web server, comprising the steps of:

maintaining a database of user information, including authentication and access control information, in communication with thea web server;

logging in a user in with the web server using a client applet based on the information accessed in the database; and

using an authentication servlet to conduct user authentication and display available servers to the user;

wherein if a new service is created and started while the user is logged in via the Internet with the web server, and the user has permissionauthorization to access said new service, a Lookup Server causes the information pertaining to the new services to will dynamically appear in the client applet based on data provided by the web server via the client applet,

wherein dynamically appear means that the availability of the service is notified to the client browser before a command requesting information is received from the client browser.

13. **(Original)** The method of claim 12, wherein information is stored in said database to facilitate information updating.

14. **(Original)** The method of claim 12, further including a step of dynamically relocating code from one network node to another.

15. **(Original)** The method of claim 12, wherein said services may

include one of sub-classes LocalService and RemoteService.

16. **(Original)** The method of claim 12, wherein communication with said server is provided by using HTTP and Java RMI.

17. **(Original)** The method of claim 12, further including a step of distributing compute-intensive jobs across various ComputeServers associated with a web browser.

18. **(Original)** The method of claim 17, further including a step of providing a servlet at the web server to read an executable object that is passed therethrough.

19. **(Original)** The method of claim 18, wherein if said executable object is valid, it is passed to a LoadBalancer.

20. **(Original)** The method of claim 19, wherein the LoadBalancer maintains a list of Lookup Servers it finds when it registers itself, using the list to find all of said ComputeServers available for a job.

21. **(Original)** The method of claim 12, wherein said database includes a lightweight directory access protocol (LDAP) database.

22. (Currently Amended) An article of manufacture, comprising, a computer usable medium having computer readable program code means embodied therein for implementing a method for providing dynamic availability of eCommerce services via a web server, the program comprising instructions for~~the steps of~~:

maintaining a database of user information, including authentication and access control information, in communication with the~~a~~ web server;

logging a user in with the web server using a client applet; and

using a servlet to conduct user authentication based on user information accessed in the database and to display available services to the user;

wherein when~~if~~ a new service becomes available ~~is created and started~~ while the user is in communication via the Internet with the web server, and the user is authorized ~~has permission~~ to access said new service, the information provided by a Lookup Server pertaining to the new service ~~will~~ dynamically appears in the client applet based on data provided by the web server via the client applet,

wherein dynamically appears means that the availability of the service is notified to the client browser before a command requesting information is received from the client browser.